



LED Minutes of Meeting

La Silla

Subject: Engineering Meeting No.: 07/2005

Date: 11.04.2005

1. La Silla Pending Problems:
 - a. 3.6m Centerfield mirror gets stuck: Although the order for the linear bearings was prepared some weeks ago, there is no news regarding the delivery. It's going to be investigated.
 - b. 3.6m dome problem: It was returned to SciOps because it's not a mechanical problem as it was presented.
 - c. 3.6m HARPS slow readout mode is noisy: After PSI investigation it seems that there is some internal interference in FIERA. All power supplies were changed, without success. Next step is to exchange some electronic boards, but it's a risky operation. This has to be planned in accordance with SciOps.
 - d. 3.6m Objects fall at the edge when using the centerfield: Being not critical for observation, it was decided to leave it for next M1 mirror aluminization in September.
 - e. 3.6m HARPS failure on readout: There is suspicion in the communication between SPARC and workstation. The section of the net is being monitored without problems. Could be that there is saturation due to processes. To continue the investigation.
 - f. NTT He lamp problem: The electronic ballast arrived from Sweden and they were installed some days ago for testing. So far there are no problems reported. Continue monitoring.
 - g. NTT SOFI grism wheel loosing steps: This problem was solved during last intervention by Jean Louis Lizon. Closed.
 - h. NTT multiple reflections inside EMMI: It is necessary technical time to investigate the problem. Time being only monitoring.
 - i. 2.2m not possible to complete focus exposure: To be returned to SciOps.
 - j. 2.2m FIERA crash: Solved and closed.
2. Points from the previous meeting:

No problems.
3. Ongoing Projects:
 - a. TIMMI 2 and F/35 M2 Control: The projects became urgent as many problems are arising in the M2 Unit. A report of the status of the project has to be prepared by JVA
 - b. Harps High Efficiency Fiber (EGGS): Some tests and studies by JAL and WEC were performed the past weeks, with good results. Preparations for the FDR are on the way.
 - c. M1 3.6m Lateral Pads: Actually in study phase. An important issue is to define which module will be used for the electronics. Actually all the technologies in ESO have to be renewed. In contact with W.Ness in Garching.

- d. NGTCCD: The 12th of April there is a video conference to define the chronogram of the project. It is expected to complete 9 cameras plus the prototype in this first stage of the project.
 - e. GROND: No news during the week.
 - f. EMMI Calibration Unit: There is a review the 27.04. Mechanics will present a preliminary design.
 - g. Paranal M1 Cover: Yesterday the cover followed several tests. There are some details to fix, but so far the result is a success.
 - h. REM new LN2 Dewar and other items: Waiting for parts.
4. LED Team Reports:
- a. Software Team:
 - Commissioning of EMMI ICB under VLT software. Some problems mainly with the VLT software versions alignment. It is planned to align the PCI FIERA with April 2004 VLT software.
 - 3.6m M1 Lateral pads control pre-design description
 - Software vacancy: selection of candidates for the interview
 - b. Electronic Team:
 - Collaboration with M1 Cover project
 - Tests with NTT rotator : Failure has not been possible to repeat
 - Preparing technical time for period 76
 - Testing the UPS. There were some problems, but due to operational problems, it was not possible to repeat them. It is necessary to repeat the tests. It is important to mention that 3.6m and 2.2m require new UPS
 - Also important is to start maintenance of the NTT M1 mirror active supports motors
 - c. Instrumentation and Optics
 - SUSI lost its vacuum. The possible explanation is related to water inside the dewar that prevent the action of the floating mounting that prevents the LN2 to evacuate while the rotator is in different positions. As the LN2 felt from the dewar, it freeze the outer body producing a momentary leak of the O-ring. After warming up and removing water with N2 flushing, re-establish the vacuum, it was possible to cool down the system
 - d. Mechanics:
 - Preparing some pieces for EGGS
 - Mi Cover total support
 - Studying some sensors for the FEROS shutter
 - Preparations for FEROS ADC spare parts
5. IT Report:
- a. Preparing images for different telescopes
 - b. Problems with webmail
 - c. Some problems were detected during the data transfer. New net?
6. Other Subjects:
- a. A new deputy of the Engineering Department La Silla was named. The person is Ricardo Parra.